cellebrite
mobile data secured

NOVEMBER, 2011

UFED 1.1.8.6 Release Notes

SUPPORTING 7,140 DEVICE PROFILES

Unmatched iOS, Android & BlackBerry Devices Coverage

Release Highlights:

- **iOS 5.0.1 & 5.0** physical and file system extractions, real-time decryption & passcode recovery
- **iPhone 4S** with **iOS 5.0.1 & 5.0** logical and file system extractions and decoding
- **Android** True NAND Flash physical extraction through proprietary, forensic methods including bypassing unlock pattern on selected devices
- Decoding of **BlackBerry** chip off including recovery of deleted data, BlackBerry Messenger and much more

Forensic Method	New	Total
Logical Extraction	126	3823
Physical Extraction*	128	1379
File System Extraction	26	1141
Password Extraction	13	797
*including GPS Extraction	293	7140

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Don't forget to register at my.cellebrite.com. Registering your details and UFED ensures that you receive information about software releases, cables and much more.
my.cellebrite.com

Python Scripting Guide

Your freedom to control data decoding and analysis.
All the information you need to get started with Python scripting in UFED Physical Analyzer. With it you will learn how to access data in memory range, file system, content models, files and more.

UFED Physical Analyzer 30-day FREE trial

Take advantage of a 30-day free trial of the UFED Physical Analyzer. Experience physical extraction of iOS and GPS devices, decoding, Python scripting and reporting.

Start now with a simple download and experience the latest in mobile forensics.

Forensic Memory Card Reader

NEW

A new proprietary memory card reader is now available containing an integral Read-Only switch enabling Write-Blocked, memory card extraction. In addition the memory card reader is equipped with a USB hub enabling extraction of USB mass storage devices.

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Comprehensive Support for iOS Devices

iPhone 4S with iOS 5.0.1/5.0 File System and Logical Extractions

With Apple's recent release of the iPhone 4S running iOS 5.0.1, Cellebrite is proud to announce the release of file system and logical extractions as well as decoding capabilities. To enable intuitive use, the logical and file system extractions are performed directly from the UFED while decoding is carried out via the UFED Physical Analyzer.

iOS 5.0.1/5.0 on iOS Devices

With the new release of Apple iOS 5.x, the UFED Physical Analyzer is enhanced to support extraction and decoding for Apple devices running iOS 5.x.
Key features:

- Physical and file system extractions are supported for locked, unlocked, "jailbroken" and "non-jailbroken" iOS 5.x devices
- Real time decryption via UFED Physical Analyzer
- Recovery of simple passcode
- New decoded data: iPhone configuration files (Plist and BPlist)*, tasks with their location, iMessages, QuickTime metadata* such as date, time and location

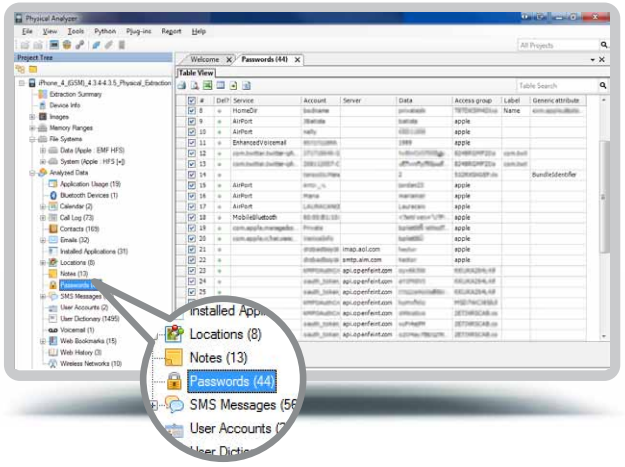
The enhanced support allows users to extract, decode and analyze the following Apple devices running iOS 5.x: iPhone 3GS, iPhone 4 GSM, iPhone 4 CDMA, iPad 1, iPod touch 3G, iPod Touch 4G.

*Applicable also for iOS 4.x devices

Advanced iOS 4.x Decoding

Decryption of User Password (Keychain)

Keychain is a secure location that stores valuable user information including password type, passwords for email accounts, web sites, wireless networks, servers and more.

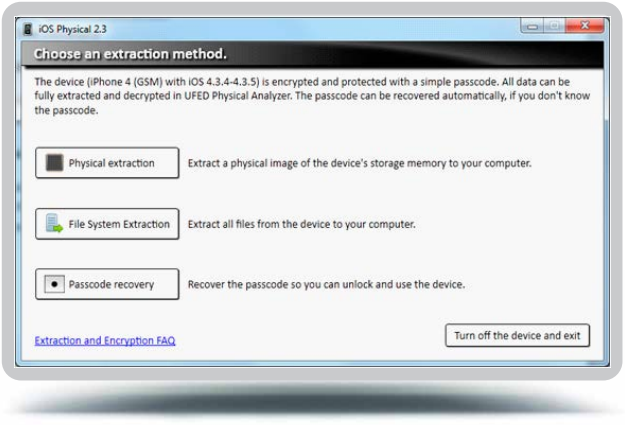


Enhanced Decoding of iPhone Applications

Google+, Twitterrific, TigerText including encrypted and expired messages, Facebook Messenger including encrypted phonebook.

New iOS Physical Extraction GUI

The new intuitive and user-friendly iOS physical application includes an improved flow, detailed device information such as device model, OS version, availability of encrypted data and available extraction options.


iOS Physical 2.3
Choose an extraction method.
The device (iPhone 4 (GSM) with iOS 4.3.4-4.3.5) is encrypted and protected with a simple passcode. All data can be fully extracted and decrypted in UFED Physical Analyzer. The passcode can be recovered automatically, if you don't know the passcode.
Physical extraction
Extract a physical image of the device's storage memory to your computer.
File System Extraction
Extract all files from the device to your computer.
Passcode recovery
Recover the passcode so you can unlock and use the device.
Extraction and Encryption FAQ
Turn off the device and exit

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Enhanced Android Physical Extraction and Decoding, bypassing Pattern Lock*

Physical extraction and decoding support have been added for dozens of Android devices bypassing pattern lock and PIN lock where feasible.
The physical extraction can be performed on rooted and non-rooted devices depending on the Android version.
The decoded data including pattern lock is presented within the UFED Physical Analyzer.

Enhanced Decoding of Android Applications
Twitter, Google+, Facebook Contacts, Facebook Messenger, PingChat, Skype, Viber, WhatsApp.

*where feasible

Decoding for BlackBerry Chip Off

UFED Physical Analyzer introduces unique decoding for BlackBerry chip off. The decoding is enabled for devices running BlackBerry OS versions 5, 6 and 7.
The following content is decoded: device info, address book, SMS, MMS (including attachments), emails (excluding attachments), recent email contacts (available from OS 6.0), installed applications and much more.
Deleted data is also recovered from BlackBerry chip off allowing access to vital case data.
In addition, the UFED enables seamless activation of BlackBerry history by connecting the BlackBerry device to the UFED.

Decoding of BlackBerry Applications
BlackBerry Messenger and WhatsApp (applicable for file system extraction with non-encrypted data)
Important Note - To enable BlackBerry chip off decoding, you are required to accept the BlackBerry decoding disclaimer presented in the UFED Physical Analyzer licensing window.

BlackBerry PlayBook

UFED Physical Analyzer enables file system reconstruction and content decoding for BlackBerry PlayBook backup. The following content is decoded: Gmail, Web history, Web bookmarks, Bing maps (location search), cookies and much more.

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Enhanced Decoding of Sony Ericsson A2 Family

New content is decoded from Sony Ericsson A2 devices physical extraction: GPS locations, emails from various accounts and user passwords (account, server, password).

New UFED Extraction Capabilities

- Enhanced Windows Phone 7 logical extraction to include multimedia files
- Physical extraction support for webOS based devices such as Palm Pre and Palm Pixi

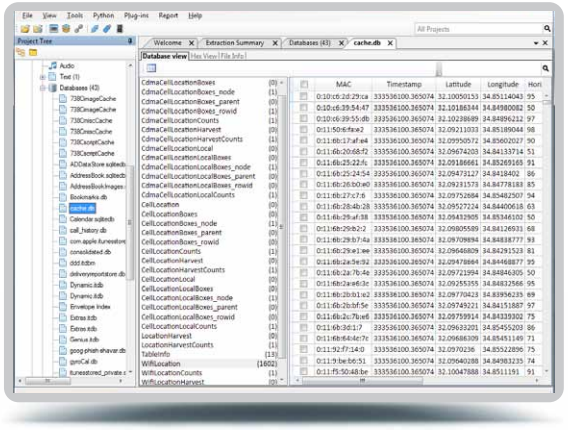
New Features in UFED Physical Analyzer 2.3

New Analyzed Data

SQLite database and table view – ability to view and search within the device SQLite database's content. The database files appear as part of the data files tree node.

Locations – centralized presentation of locations found within the extraction such as video files metadata and SQLite databases.

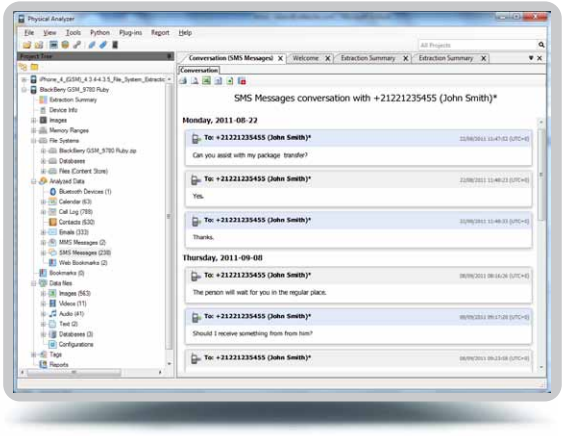
Decoding Samsung C3050 Family IMEI – introduction of new plugin enables decoding of IMEI for the following devices: C3050, B3210, C3010, C3053, C3060, C3110, S3030, S5150.



Enhanced GUI

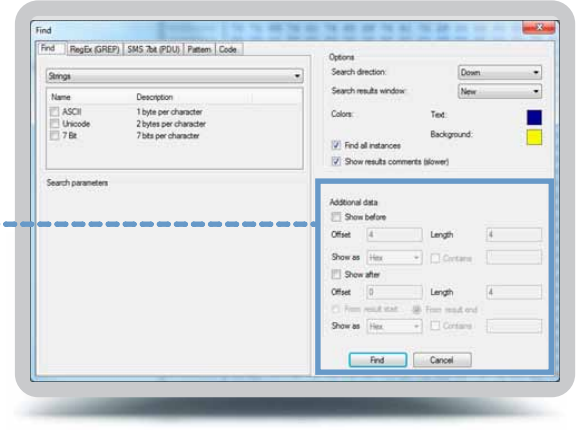
Conversation view – enables viewing conversation dialog between two or more parties. The conversation can be created based on chat, call log, email, SMS and MMS content types.

Unified time zone – extraction often includes timestamps with different time zones. This makes it hard for the user to compare or find specific events. In project setting a single time zone can be configured for all timestamps found in a certain extraction.



Improved data files management

- Easily filter images by unselecting irrelevant folders in the folders view
- Easily view required group of images such as deleted images, selected images, unselected images or all
- Enable selection of multiple files using either shift or ctrl



Enhanced Hex Search – A unique new feature that empowers hex search and boosts carving. As part of the hex search criteria, users may define additional data to be presented as part of the search results (read before and after the actual search result). Results may be exported to excel, csv, html and xml. This powerful feature saves valuable time for the advanced forensic examiner.

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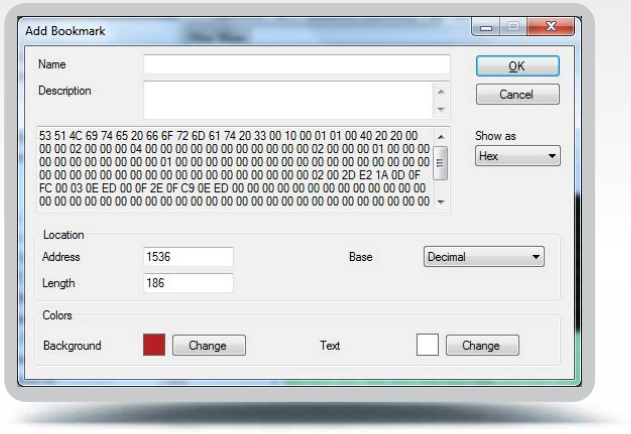
Enhanced report generation and customization

- Data sorting configuration – ability to sort the report data based on the default sorting definition or based on view's sorting attributes and direction (ascending / descending)
- Data Categories – ability to define whether the data in the report will appear per category or as a single list. For example: whether to show SMSs as a single list or per category – inbox, sent, draft
- Bookmark memory raw data presentation – ability to present within the report bookmark data taken directly from the binary image. The data can be presented in different formats such as HEX, ASCII, Unicode and more



Save project session improvements

- User selection and generated reports are saved as part of the project
- A project can be created for an extraction performed by third party tools

Table index – all tables now include index for easier management.

Open file with default program – enables opening files directly from the UFED Physical Analyzer using the default program installed on the computer.

Emails per accounts – email messages are now presented per email account.

New UFED Phone Detective 1.1.1 Capabilites

UFED Phone Detective enables printing device characteristics, supported information and required cable directly from application interface.

Installation

If you are using a PC running Windows XP 64bit, you will need to install a .net 2.0 hotfix (NDP20-KB913384-X64.exe) from the following link:
http://archive.msdn.microsoft.com/KB913384/Release/ProjectReleases.aspx?ReleaseId=771

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126 New Devices Supported via Logical Extraction

Acer	E310 Liquid mini (Android), E400 BeTouch (Android), A500 Iconia Tab (Android)
Alcatel GSM	CP-100 One Touch (Carphone), OT-708 (USB), OT-708A (USB), OT-708 (BT), OT-708A (BT), OT-908 One Touch (Android), OT-Move (Android)
Apple	4S CDMA, 4S GSM
Audiovox/ UTStarcom/PCD	CDM 2080
Audiovox / UTStarcom / PCD	CDM-7126
BlackBerry CDMA	9350 Curve
BlackBerry GSM	9350 Apollo, 9360 Curve, 9900 Bold
DELL	V02S Venue Pro
HTC	MSM7x30 Omega, ADR6330VW (Android), PI46110 Rhyme (Android), 6230 Wildfire (Android), 6285 Hero S (Android), 6320 Kingdom (Android), ADR6425LVW (Android), PH98100 Rezound (Android), PH39100 Vivid, PI39100 Titan, PH44100 Evo Design 4G (Android), PG59100 myTouch 4G Slide (Android), PG76240 Wildfire S (Android), PG86300 Evo 3D, PC93100 Arrive
T-Mobile	myTouch 4G Slide (Android), Sensation 4G, Wildfire S (Android)
Huawei	M886 Glory(Android), U8652 (Android), IDEOS X5 (Android), U8800 Impulse 4G (Android)
Kyocera CDMA	Pro720 DuraCore, Pro820 Duramax, S3015 Brio, C5120 Milano (Android)
LG CDMA	VN-150 Revere, AN-200, VN-271 Extravert, AS-680 Optimus 2 (Android), MS-840 (Android), AS-855 Ignite (Android), LS-855 Marquee (Android), MS-910
LG GSM	CD02 Dior, P690 Optimus Link, P699 Optimus Net, V900 Optimus Pad (Android), P920 Optimus 3D (Android), P930 (Android)
Chinese phones	iPhone A6, Philips K700 Xenium, Chinese Nokia 8860E, M600
ModeLabs	Dior Phone CD02
Motorola CDMA	WX430 Theory, XT603 Admiral (Android), MB853 Electrify (Android), XT912 Droid RAZR (Android)
Motorola GSM	MZ601 XOOM, MB865 Atrix 2, XT910 Spyder (Android)
Motorola iDen	i475 Clutch+, i940 (Android)
Nokia GSM	F1 Ike, C1-02, C2-02, C5-04, E6-00, 500 Fancy, 700 Benji, 800 Lumia, 6790s-1c Surge
Pantech	P5000 Link2, TXT-8045 Jest 2, CDM-8992 Hotshot, P9060 Pocket
Samsung CDMA	SCH-i110 Illusion (Android), SCH-i405 Stratosphere (Android), SCH-i515 Galaxy Nexus (Android), SCH-R680 (Android), SPH-D710 Epic 4G Touch (Android), SPH-M910 Intercept (Android) (Virgin)
Samsung GSM	SGH-T379 Gravity TXT, SGH-T404G, SGH-i677 Focus Flash, SGH-i727 Galaxy S II Skyrocket (Android), SGH-i777 Galaxy S II (Android), SGH-i857 Doubletime (Android), SGH-i927 Captivate Glide (Android), SGH-i937 Focus S, SGH-E1190, GT-C3750, GT-B5510 Galaxy Y Pro (Android), GT-S5511T, GT-S5610 Utopia (USB), GT-S5610 Utopia (BT), GT-P7100 Galaxy Tab 10.1v
Sanyo CDMA	Pro-700 (MTS)

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126 New Devices Supported via Logical Extraction (Cont.)

Sharp	EC40 (Android)
Sonim	XP1300, XP3400
Sony Ericsson	Xperia ST15i Mini (Android), Xperia SK17i Mini Pro (Android), Xperia ST18i Ray (Android), Xperia R800at Play (Android)
Tablets	Acer A500 Iconia Tab (Android), Motorola MZ601 XOOM, LG V900 Optimus Pad (Android), Samsung GT-P7100 Galaxy Tab 10.1v
Ubiquam	U-300, U-800
Vertu	Constellation T (No Client), Constellation T (Using Client)
ZTE CDMA	N860 Warp (Android)
ZTE GSM	T165+ Explorer. P736E Atlas (Android), Z990 Alicanto

128 New Devices Supported via Physical Extraction

Acer	S120 Liquid MT(Android)*, E400 BeTouch (Android)
Dell	XCD28 (Android), XCD35 (Android)
Dopod	A6388 (Android), A8188 (Android)
HTC	A8181 Desire (Android), 6275 Desire CDMA (Android)*, Desire Z (Android), Hero (Cox) (Android), Wildfire S (Android), A810a ChaCha (Android)*, PG41200 Evo View 4G (Android), PH44100 Warlock (Android)*, 6200 Droid Eris (Android), 6230 WildFire (Android)*, 6285 Hero S (Android), 6320 kingdom (Android), ADR6325 Merge (Android), ADR6330 Rhyme (Android), ADR6350 Droid Incredible 2 (Android), ADR6400L Thunderbolt (Android), ADR6425 Rezound (Android)*, PG76210 Wildfire (Android), A9191 Desire HD (Android), D20822 Marvel (Android)*, A6366 Aria (Android), PH06130 Status (Android), myTouch 3G (Android), Mythouch 3g slide (Android)*, myTouch 4G Glacier (Android), G2 (Android), Tattoo (Android)
Huawei	S7 Ideos (Android), M860 Ascend (Android), M886 Glory (Android)*, U8150 Ideos (Android), U8160 (Android), U8300 Boost Droid (Android), U8500 (Android), U8650 (Android), U8800 Impulse 4G (Android)
Kyocera CDMA	M6000 Zio - Method 2 (Android)*
LG CDMA	VN-150, M-510, VS-740 (Android)**, LS-855 (Android)**, VS-910 Revolution (Android)*, AS-680 Optimus 2 (Android)**
LG GSM	LG509TN (Android), P920 (Android)**, P925 (Android)**, P970 (Android)**, P990 Optimus X2 Speed (Android)*, P999 GX2 (Android)*
Micromax	A60 Andro (Android)*
Motorola CDMA	MB508 Flipside (Android)*, MB512 Picasso (Android)*, A555 Devour (Android)*, XT610 Droid Pro (Android)*, MB612 XPRT (Android)*, MB810 Droid X (Android)*, MB853 Electrify (Android)*, A854 Milestone (Android) **, A855 Droid (Android) **, A956 Droid 2 Global (Android)*
Motorola GSM	MILESTONE 2 (Android)*, ES400, MB502 Charm (Android)*, MB508 Flip Side (Android)*, MB511 FlipOut (O2) (Android)*, MB520 Diablo (Android)*, MB525 Defy (Android)*, XT609 (Android)*, MB611 Cliq 2 (Android), XT702 (Android)
Pantech	P8000 Crossover (Android)*

* Android extraction only ** bypassing pattern lock

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128 New Devices Supported via Physical Extraction (Cont.)

Samsung CDMA	SCH-i400 Continuum (Android), SCH-i405 (Android)*, SCH-I500 Fascinate (Android)*, SCH-i500 Galaxy S (Android), SCH-i520 (Android)*, SPH-M580 Replenish (Android), SPH-D720 Nexus S 4G (Android)*, SCH-R720 (Android), SPH-M820 Galaxy Prevail (Android), SCH-R915 (Android)*, YP-G1 Yepp (Android)*, YP-GB70 Yepp (Android)*
Samsung GSM	SC-02B (Android)*, SGH-T589 Gravity Smart (Android)*, SGH-A847R, SGH-T849 Galaxy Tab (Android)*, SGH-i896 Captivate (Android)*, SGH-i897 Captivate (Android)*, SGH-T959 Vibrant (Android)*, SCH-i997 Infuse (Android)*, GT-P1000 (Android)*, GT-E1081T, GT-i5500 Europa Galaxy 5 (Android)*, GT-i5503T (Android)*, GT-i5510 Galaxy (Android)*, GT-S5570 Galaxy Mini (Android)*, GT-S5660 Galaxy Gio (Android)*, GT-S5830 Ace (Android)*, GT-I7680 (Android)*, GT-i9000M Galaxy S Vibrant (Android)*, GT-i9000 Galaxy S (Android), GT-I9000T (Android)*, GT-i9001 Galaxy S Plus (Android)*,SGH-I9008 Galaxy S (Android)*, SGH-I9088 Galaxy S (Android)*
Sharp	ADS1 (Android)*
Sony Ericsson	SE A8i (Android)*, Xperia X10 mini (Android)*, Xperia X10i (Android),* Xperia X8 (Android)*
Palm	Pixi, Pre, P102EWW Pre 2, P102una, P160UNA Veer, XP181 Pre 3 (Verizon), Pre 2 GSM, Veer 4G
Videocon	V7500 Zeus (Android)*
ZTE CDMA	X500 (Android)*, N860 (Android)*

24 New Devices Supported via File System

Audiovox/ UTStarcom/PCD	CDM-2080
Apple	4S CDMA, 4S GSM
BlackBerry CDMA	9350 Curve
BlackBerry GSM	Orlando, 9360 Curve, 9810, 9900 Bold
HTC	X310e Titan
Kyocera CDMA	S3015 Brio, E4210 DuraCore, E4255 DuraMax
LG CDMA	VN-150, VN-271 Extravert, AX-840
Nokia GSM	C1-02, C2-02, F1 Ike, C2-05, 6350-1d, 7020a-2
Samsung CDMA	SPH-M370
Samsung GSM	GT-S5511T, A847D, A847M
Sanyo CDMA	Pro-700 (MTS)

13 New Devices Supported via Password

Kyocera CDMA	S3015 Brio, E4210 DuraCore, E4255 DuraMax
LG CDMA	VN-150, VN-271 Extravert, VM-510, AX-840
Samsung CDMA	SPH-M370
Samsung GSM	SGH-A847R, GT-S5511T, A847D, 847M
Sanyo CDMA	Pro-700 (MTS)

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Cellebrite UFED Software Download & Upgrade Instructions

UFED v. 1.1.8.6 Firmware Update

UFED Physical Analyzer 2.3

UFED Phone Detective 1.1.1

UFED Phone Detective Activation

Firmware Update Instructions

iPhone Physical User Manual

UFED Supported Devices

Microsoft .Net Framework 4

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